

NASA 700 Group

AST Schematic Overview



NASA 700 GROUP SCHEMATIC (OVERVIEW)

Scientific, engineering, and other technical positions engaged in aerospace-related professional research, development, operations, and related work are included in this group. These positions require professional qualifications in engineering, physical science, mathematics, life science, or other fields of science.

700 PENDING SUBGROUP

This subgroup is for positions whose duties are sufficiently general in nature that they are not identifiable with an established subgroup.

<u>NASA Code</u>	<u>Specialty</u>	<u>OPM Title</u>	<u>GS Code</u>
700-09	*	*	*
	(Entry-level positions at GS-7 and GS-9.)		
-90 thru -99	(Positions at GS-11 and above.)	*	*

* At the installation's discretion.

701 SPACE SCIENCES SUBGROUP

<u>NASA Code</u>	<u>Specialty</u>	<u>OPM Title</u>	<u>GS Code</u>
701-05	Atmospheres and Ionospheres	Astrophysicist	GS-1330
-09	Space Sciences (Specialty for entry-level positions at GS-7 and GS-9.)	Space Scientist	GS-1330
-15	Fields and Particles	Astrophysicist	GS-1330
-20	Stellar Studies	Astrophysicist	GS-1330
-25	Planetary Studies	Space Scientist	GS-1330
-35	Solar Studies	Astrophysicist	GS-1330
-90	*	*	*
thru			
-99			

*At the installation's discretion.

702 EARTH SCIENCES SUBGROUP

<u>NASA Code</u>	<u>Specialty</u>	<u>OPM Title</u>	<u>GS Code</u>
702-02	Earth Sciences Remote Sensing	Earth Sciences Remote Sensing	GS-1301
-03	Climate and Radiation Studies	Climate and Radiation Studies	GS-1301
-04	Atmospheric Chemistry and Dynamics	Atmospheric Chemistry and Dynamics	GS-1301
-05	Global Ecology Studies	Global Ecology Studies	GS-1301
-06	Atmospheric Measurements	Atmospheric Measurements	GS-1301
-07	Applications Data Management	Applications Data Management	GS-1301
-08	Science Missions	Science Missions	GS-1301
-09	Earth Sciences (Specialty for Earth Sciences entry-level positions at GS-7 and GS-9.)		GS-1301
-10	Oceanographic Studies	Oceanographer	GS-1360
-11	Meteorological Studies	Meteorologist	GS-1340
-12	Geophysical Studies	Geophysicist	GS-1313
-90 thru -99	*	*	*

*At the installation's discretion.

709 LIFE SCIENCES AND SYSTEMS SUBGROUP

<u>NASA Code</u>	<u>Specialty</u>	<u>OPM Title</u>	<u>GS Code</u>
709-09	Life Sciences and Systems (Specialty for entry-level and Systems positions at GS-7 and GS-9.)	Life Sciences and Systems	GS-1301
-21	Biochemical Studies	Research Chemist	GS-1320
-22	Physiological Studies	Physiologist	GS-413
-23	Neurobiological Studies	Neurobiological Studies	GS-401
-31	Chemical and Biological Evolution	Chemical and Biological Evolution	GS-1301
-33	Solar System Analysis	Solar System Analysis	GS-1301
-42	Human Performance Studies	Research Psychologist	GS-180
-43	Medical Studies	Medical Officer (Research)	GS-602
-44	Life Support Studies	Life Support Studies	GS-1301
-45	Manned Systems	Manned Systems	GS-801
-90			
thru			
-99			

*At the installation's discretion.

710 FLUID AND FLIGHT MECHANICS SUBGROUP

<u>NASA Code</u>	<u>Specialty</u>	<u>OPM Title</u>	<u>GS Code</u>
710-02	Aerothermodynamics	Aerospace Engineer	GS-861
-09	Fluid and Flight Mechanics (Specialty for entry-level positions at GS-7 and GS-9.)	Aerospace Engineer	GS-861
-10	Aerospace Vehicle Design and Mission Analysis	Aerospace Engineer	GS-861
-15	Navigation, Guidance, and Control Systems	Aerospace Engineer	GS-861
-30	Fluid Mechanics	Aerospace Engineer	GS-861
-45	Flight Vehicle Acoustics	Aerospace Engineer	GS-861
-55	Heat Transfer	Aerospace Engineer	GS-861
-60	Stability, Control, and Performance	Aerospace Engineer	GS-861
-65	Flight Vehicle Atmospheric Environment	Aerospace Engineer	GS-861
-68	Basic Properties of Gases	Basic Properties of Gases	GS-1310
-90 thru -99			GS-861

*At the installation's discretion.

715 MATERIALS AND STRUCTURES SUBGROUP

<u>NASA Code</u>	<u>AST Specialty</u>	<u>OPM Title</u>	<u>GS Code</u>
715-02	Structural Dynamics	Aerospace Engineer	GS-861
-03	Mechanics of Materials	Materials Engineer/ Materials Research Engineer	GS-806
-09	Materials and Structures (Specialty for entry-level positions at GS-7 and GS-9.)	Aerospace Engineer	GS-861
-15	Structural Materials	Materials Engineer/ Materials Research Engineer	GS-806
-17	Aerospace Metallic Materials	Materials Engineer/ Materials Research Engineer	GS-806
-20	Basic Properties of Materials	Basic Properties of Materials	GS-1310
-25	Aerospace Polymeric Materials	Chemical Engineer	GS-893
-35	Aerospace Ceramic Materials	Ceramic Engineer	GS-892
-40	Friction and Lubrication	Materials Engineer/ Materials Research Engineer	GS-806
-50	Structural Mechanics	Aerospace Engineer	05-861
-55	Flight Structures	Aerospace Engineer	GS-861
-90 thru -99	*	*	*

*At the installation's discretion.

as of 03/06/2001

720 PROPULSION AND POWER SUBGROUP

<u>NASA Code</u>	<u>Specialty</u>	<u>OPM Title</u>	<u>GS Code</u>
720-02	Electric Propulsion Systems	Electrical Engineer	GS-850
-03	Electrical Power Systems	Electrical Engineer	GS-850
-04	Airbreathing Propulsion Systems	Aerospace Engineer	GS-861
-05	Liquid Propulsion Systems	Aerospace Engineer	GS-861
-06	Mechanical Components	Mechanical Engineer	GS-830
-09	Propulsion and Power (Specialty for entry-level positions at GS-7 and GS-9.)	Aerospace Engineer	GS-861
-10	Solid Propulsion Systems	Aerospace Engineer	GS-861
-19	Aerospace Vehicle Propulsion Systems	Aerospace Engineer	GS-861
-25	Direct Energy Conversion	Electrical Engineer	GS-850
-50	Fuels and Combustion Processes	Chemical Engineer	GS-893
-60	Propulsion Flow Dynamics	Aerospace Engineer	GS-861
-70	Pyrotechnic Systems	Aerospace Engineer	GS-861
-90 thru -99	*	*	**

At the installation's discretion.

as of 03/06/2001

725 FLIGHT SYSTEMS SUBGROUP

<u>NASA Code</u>	<u>Specialty</u>	<u>OPM Title</u>	<u>GS Code</u>
725-04	Reliability and Quality Assurance	Aerospace Engineer	GS-861
-05	Reliability	Aerospace Engineer	GS-861
-09	Flight Systems (Specialty for entry-level positions at GS-7 and GS-9.)	Aerospace Engineer	GS-861
-10	Flight Systems Test	Aerospace Engineer	GS-861
-11	Flight Systems safety	Aerospace Engineer	GS-861
-12	Aerospace Flight Systems	Aerospace Engineer	GS-861
-13	Flight Systems Design	Aerospace Engineer	GS-861
-15	Electronic Systems Failure Analysis	Electronics Engineer	GS-855
-16	Crew Station Systems	Aerospace Engineer	GS-861
-17	Environmental Control Systems	Aerospace Engineer	GS-861
-20	Experimental Manufacturing Techniques	Aerospace Engineer	GS-861
-22	Quality Assurance	Aerospace Engineer	GS-861
-30	Electrical Systems	Electrical Engineer	GS-850
-31	Automation and Robotics Systems	Computer Engineer	GS-854
-90 thru -99	*	*	*

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as of 03/06/2001

730 MEASUREMENT AND INSTRUMENTS SUBGROUP

<u>NASA Code</u>	<u>Specialty</u>	<u>OPM Title</u>	<u>GS Code</u>
730-05	Sensors and Transducers	Electronics Engineer	GS-855
-09	Measurement and Instrumentation (Specialty for entry-level positions at GS-7 and GS-9)	Electronics Engineer	GS-855
-10	Electronic Instrumentation Systems	Electronics Engineer	GS-855
-15	Optical Physics	Optical Physics	GS-1310
-16	Electro-optical Sensor Systems	Electronics Engineer	GS-855
-20	Measurement Standards and Calibration	Measurement Standards and Calibration	GS-1310
-25	Control Systems	Control Systems	GS-801
-26	Guidance and Navigation Systems	Electronics Engineer	GS-855
-37	Tracking and Telemetry Systems	Electronics Engineer	GS-855
-40	Electromagnetics Systems	Electronics Engineer	GS-855
-43	Tracking Systems	Electronics, Engineer	GS-855
-45	Telemetry Systems	Electronics Engineer	GS-855
-55	Telecommunications	Electronics Engineer	GS-855
-57	Electronics of Materials	Electronics of Materials	GS-1310
-65	Microwave Physical Electronics	Microwave Physical Electronics	GS-1310
-90 thru -99	*	*	*

*At the installations discretion.

as of 03/06/2001

735 DATA SYSTEMS SUBGROUP

<u>NASA CODE</u>	<u>Specialty</u>	<u>OPM Title</u>	<u>GS Code</u>
735 -02	Data Systems	Computer Engineer	GS-854
-03	Software Systems	Software Systems	GS-801
-04	Modelling	Mathematician	GS-1520
-05	Data Analysis	Mathematician	GS-1520
-06	Data Systems Analysis	Data System Analysis	GS-801
-07	Flight Data Systems	Computer Engineer	GS-854
-08	Ground Data Systems	Computer Engineer	GS-854
-09	Data Systems (Specialty for entry-level positions at GS-7 and GS-9.)	Electronics Engineer	GS-855
-10	Theoretical Simulation Techniques	Aerospace Engineer	GS-861
-11	Flight Software Systems	Flight Software Systems	GS-801
-12	Ground Software Systems	Ground Software Systems	GS-801
-13	Hardware Systems	Electronics Engineer	GS-855
-14	Flight Hardware Systems	Electronics Engineer	GS-855
-15	Ground Hardware Systems	Electronics Engineer	GS-855
-16	Computer Research and Development	Computer Scientist	GS-1550
-17	Avionic Systems	Electronics Engineer	GS-855
-90 *	*	*	
thru			
-99			

*At the installation's discretion

740 FACILITIES SUBGROUP

<u>NASA CODE</u>	<u>Specialty</u>	<u>OPM TITLE</u>	<u>GS CODE</u>
740-02	Experimental Facilities Development	Experimental Facilities Development	GS-801
-03	Facility Systems Safety	Facility Systems Safety	GS-801
-09	Facilities (Specialty for entry-level positions at GS-7 and GS-9.)	Facilities	GS-801
-10	Mechanical Experimental Equipment	Mechanical Engineer	GS-830
-15	Gas and Fluid Systems Systems	Gas and Fluid	GS-801
-20	Electrical Experimental Equipment	Electrical Engineer	GS-850
-25	Experimental Facilities Techniques	Experimental Facilities Techniques	GS-801
-90 thru -99	*	*	*

*At the installation's discretion.

745 OPERATIONS SUBGROUP

<u>NASA Code</u>	<u>Specialty</u>	<u>OPM Title</u>	<u>GS Code</u>
745-02	Flight Training	Flight Training	GS-801
-03	Flight Systems Operations	Flight Systems Operations	GS-801
-04	Mission Support Requirements and Development	Mission Support Requirements and Development	GS-801
-05	Mission Operations Integration Integration	Mission Operations	GS-801
-06	Flight Activity Planning	Flight Activity Planning	GS-801
-07	Mission Specialist Astronaut	Mission Specialist Astronaut	GS-1301
-08	Pilot Astronaut	Aerospace Engineer and Pilot	GS-861
-09	Operations (Specialty for entry-level positions at GS-7 and GS-9.)	Operations	GS-801
-10	Research Piloting	Aerospace Engineer and Pilot	GS-861
-11	Launch and Flight Operations	Launch and Flight Operations	GS-801
-12	Aircraft Mission Operations	Aircraft Mission Operations	GS-801
-90 thru -99	*	*	*

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as of 03/06/2001

770 MANAGEMENT SUBGROUP

<u>NASA Code</u>	<u>Specialty</u>	<u>OPM Title</u>	<u>GS Code</u>
770-01	Executive Management	Executive Management	GS-801
-02	Executive Management	Executive Management	GS-1301
-09	Management (GS-7/05-9 only)	Management	GS-801
-10	Project Management	Project Management	GS-801
-11	Project Management	Project Management	GS-1301
-30	Technical Management	Technical Management	GS-801
-31	Technical Management Systems	Technical Management Systems	GS-801
-32	Technical Resources Management	Technical Resources Management	GS-801
-33	Physical Sciences Technical Resources Management	Physical Sciences Technical Resources Management	GS-1301
-34	Technical Engineering Operations Management	Technical Engineering Operations Management	GS-801
-36	Life Sciences Technical Resources Management	Life Sciences Technical Resources Management	GS-401
-40	Technology Utilization	Technology Utilization	GS-801
-41	Technology Utilization	Technology Utilization	GS-1301
-55	Tracking Station Management	Tracking Station Management	GS-801
-56	Launch Site Support Management	Launch Site Support Management	GS-801
-60	Program Management	Program Management	GS-801
-61	Program Management	Program Management	GS-1301
-62	Space Sciences Program Management	Space Sciences Program Management	GS-1301
-63	Earth Sciences Program Management	Earth Sciences Program Management	GS-1301

<u>NASA Code</u>	<u>Specialty</u>	<u>OPM Title</u>	<u>GS Code</u>
-64	Life Sciences Program Management	Life Sciences Program Management	GS-401
-65	Fluid and Flight Mechanics Program Management	Aerospace Engineer	GS-861
-66	Materials and Structures Program Management	Aerospace Engineer	GS-861
-67	Propulsion Program Management	Aerospace Engineer	GS-861
-68	Flight Systems Program Management	Aerospace Engineer	GS-861
-69	Measurement and Instrumentation Systems Program Management	Electronics Engineer	GS-855
-70	Data systems Program Management	Electronics Engineer	GS-855
-71	Facilities Program Management	Facilities Program Management	GS-801
-72	Telecommunications Program Management	Electronics Engineer	GS-855
-73	Advanced Technology Program Management	Advanced Technology Program Management	GS-801
-74	Advanced Technology Program Management	Advanced Technology Program Management	GS-1301
-90 thru -99			
795-00	Expert		
796-00	Consultant		
799-99	Graduate Co-op		

as of 03/06/2001